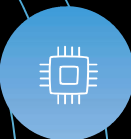


Core Value



*Simplified Architecture,
Reduce Cost*



*Deeply integrated
with AI,
Improve Productivity*



*Modern HMI/UX,
Human
Centered Design*



*New Pattern of Operate
Automation Facilities,
Improve Efficiency and
Effectiveness*

90%
Footprint

80%
Copper cable

50%
Project time

One Plant, One Cabinet

SUPCON



Scan the QR code
Look for more

Universal Control System

Heading to Infinite Control

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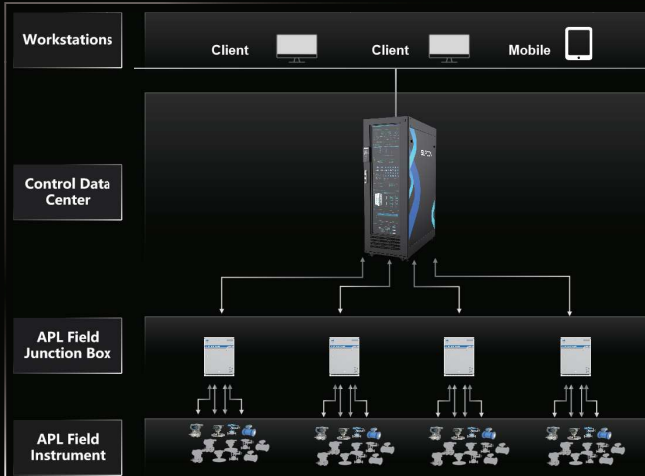
Overview

Supcon has unveiled Technical architecture of a new generation of universal control system(UCS),addressing the limitations of traditional distributed control system that were built on a rigid hierarchy, purpose-built hardware, and limited computing power, UCS redefines control systems with its software-defined, fully digital, and cloud-native architecture. Nyx is the first product based on the Universal Control System UCS architecture. The main advantages of Nyx include cloud-based real-time operating system - NyxOS, the cloud-native control as a services, deterministic 10G industrial optical network, Ethernet APL connected field, and the AI-Inside capabilities.

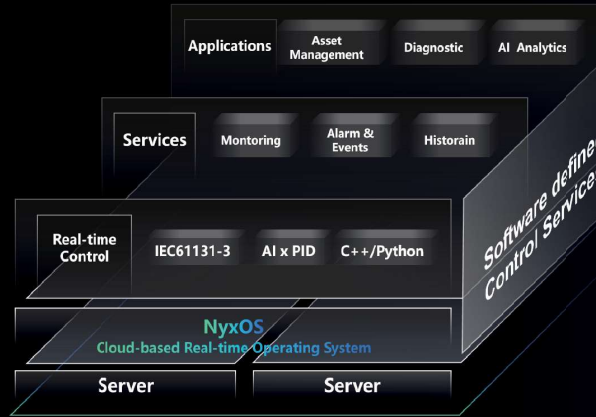
Revolutionize the 50-year-old traditional DCS architecture Eliminate control cabinets

<p>Software -defined</p> <p>Highly Reliable Control Data Center</p>	<p>Total Digitalized</p> <p>Highspeed Data Aggregation / Fully Networked</p>	<p>Cloud -based</p> <p>NyxOS / Scalable / Real-time</p>
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Nyx Architecture



Control Data Center



NyxOS: Cloud-based Real-time Operating System

- Containerized Functions - "Control as a Service"
- Low-latency & Secure Hardened Linux
- < 100µs real-time schedule delay.

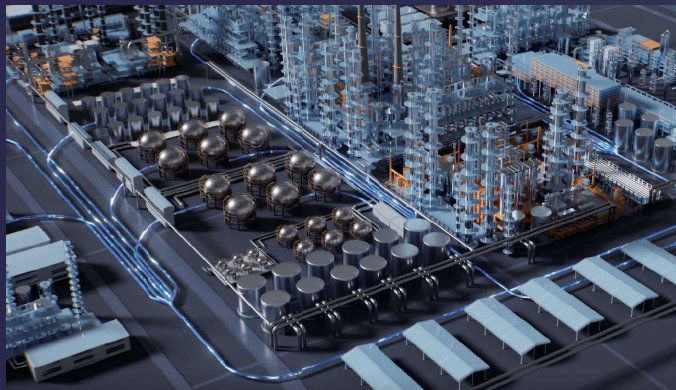
Software defined Control Services

- Optimized Cloud-based OS for Critical Real-time Tasks
- On-demand Created Control Services
- Intuitive Configuration and Management Interface

Integrated Control Data Center

- Integrated cooling unit, UPS, power distribution
- Compliance with data center requirements

Optical Industrial Ethernet



Reduce 90% Copper Cable

Highly Reliable, Secure

Simplified Architecture

Easy Maintenance

Intelligent Field Ecosystem



Ethernet High-speed communication

Easy of Install, Configure, Maintain

Digitalized for Predictive Analysis

Adopt Proven IP Technology

- 10 MBit/s, 1000m Cable Length
- 2-Wire with Power
- Designed for Intrinsic Safety
- Enable Field Instruments with Ethernet